

1	1a	1b
	L	V
H ₂ O	L ₁₁	V ₁₁
HDO	L ₁₂	V ₁₂
HTO	L ₁₃	V ₁₃
D ₂ O	L ₂₂	V ₂₂
DTO	L ₂₃	V ₂₃
T ₂ O	L ₃₃	V ₃₃

2	2a
	G
H ₂	G ₁₁
HD	G ₁₂
HT	G ₁₃
D ₂	G ₂₂
DT	G ₂₃
T ₂	G ₃₃

Fig. 1 $L_{23} + G_{22} \rightleftharpoons G_{23} + L_{22}$ (EM)

$L_{23} \rightleftharpoons V_{23}$ (E1)

$V_{23} + G_{22} \rightleftharpoons G_{23} + V_{22}$ (EK)

$V_{22} \rightleftharpoons L_{22}$ (E2)

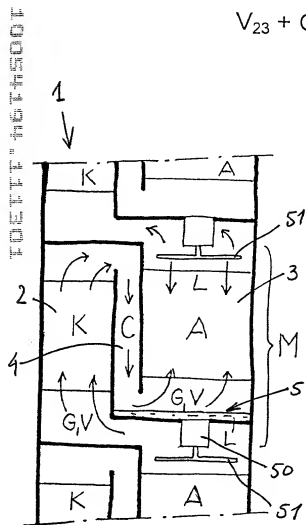


Fig. 2

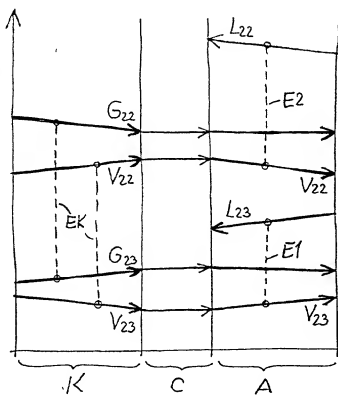
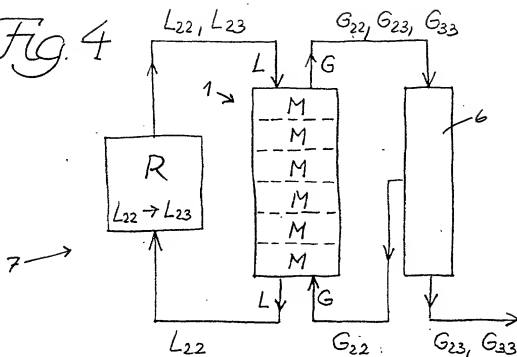


Fig. 3

Fig. 4



$$L_{11} \Leftrightarrow V_{11}$$

(E1')

$$V_{11} + G_{12} \Leftrightarrow G_{11} + V_{12}$$

(EK')

$$V_{12} \Leftrightarrow L_{12} \text{ (E2')}$$

Fig. 5

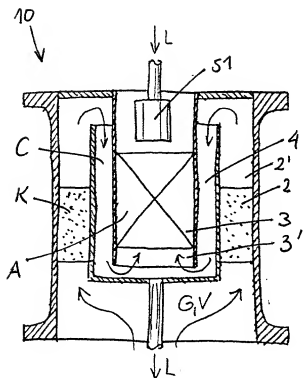


Fig. 6

